

## REMARKS

### The Drawings

In the November 17, 2006 Office Action, applicants were asked to submit formal drawings to replace the informal drawings that were originally filed in this patent application. Formal drawings were submitted in the amendment document filed on May 15, 2007. In the Notice of Non-Compliant Amendment dated on May 31, 2007, Applicants were requested to re-submit the formal drawings wherein each of the drawing sheets are identified in the top margin as a "Replacement Sheet". Applicants are therefore re-submitting formal drawings herewith as requested by the Examiner.

### Summary of the November 17, 2006 Office Action

Claim 17 was objected to.

Claim 9 was rejected under 35 U.S.C. §112, second paragraph.

Claims 1-18 were rejected under 35 U.S.C. §102(e) as being unpatentable over Peck et al. ("Peck")

### Applicants' Reply to the November 17, 2006 Office Action

Claims 1, 8, 17 and 18 have been amended.

Claims 9 and 12-16 have been cancelled.

This application is directed towards a programmable logic device having a non-volatile memory where a portion of the memory is user accessible (see, Specification, page 2, lines 29-22) A graphical user interface described in the invention provides users with the option of selecting a desired interface protocol, where the user's selection enables to user to have flexibility through the ability to customize a memory interface by selecting from several available protocols. The protocol selection minimizes the circuitry used on the programmable logic device configured to act as an interface from one or more portions for the programmable logic device to the user accessible portion of the non-volatile memory (see, Specification, page 2, lines 8-15).

Applicants respectfully submit that Peck neither shows nor suggests the claimed invention. The examiner has pointed to language in paragraph 0014 of Peck that shows a GUI for indicating requirements of a measurement task. The GUI is used to help select and configure appropriate measurement systems in the form of software programs or reconfigurable hardware. However, the elements of Peck identified by the Examiner do not include configuring the programmable logic device as the user non-volatile memory interface using the generated user non-volatile memory interface megafunction; wherein the user non-volatile memory interface passes signals to and from the raw

UNVM interface, as set forth in amended independent claims 1 and 17. In addition, Peck does not show configuring the electronic device as the unambiguous circuit blocks using the generated user non-volatile memory interface megafunction, wherein the electronic device includes a user accessible non-volatile memory and a raw UNVM interface for passing signals to and from the user accessible non-volatile memory and wherein the user non-volatile memory interface passes signals to and from the raw UNVM interface, as set forth in amended claim 18.

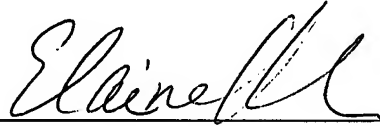
It is axiomatic that to anticipate a claim, a reference must show each and every element of the claim to be anticipated. As discussed above for all pending independent claims, Peck clearly does not show a user non-volatile memory function interface that may be configured on a programmable logic device using a megafunction that is generated according to a selected interface protocol and parameter values, or a set of option settings selected by a user, wherein at least one one interface protocol, or set of option settings permit a user to provide a custom interface design rather than simply select one of the predefined designs (see, Specification, page 10, line 33, through page 11, line 4).

The foregoing demonstrates that claims 1-8, 10-11, and 17-18 are in condition for allowance. This patent application is therefore in condition for allowance. Reconsideration of the

application and allowance are respectfully requested. If the Examiner believes a telephone interview would expedite prosecution of this application, he is invited to call applicants' attorney at the number given below.

No additional fee is believed due for filing this response. However, if a fee is due, please charge such fee to Altera Corporation Deposit Account No. 50-2300.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Elaine K. Lee", is written over a horizontal line.

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